

## 5050 RGBCCT 5 in 1 LED Strip Lights, Waterproof IP67, 12V

# Generic 5050 RGBCCT 5-in-1 LED Strip Lights User Manual

Model: Waterproof IP67, 12V

## INTRODUCTION

This manual provides essential information for the safe and effective use of your Generic 5050 RGBCCT 5-in-1 LED Strip Lights. This product features 5 colors (Red, Green, Blue, Cool White, Warm White) integrated into a single LED, with 60 LEDs per meter. It operates on 12V DC and has an IP67 waterproof rating, making it suitable for outdoor applications.

## SAFETY INFORMATION

- **Power Supply:** Use only a DC12V power adapter. A DC12V8A power adapter is recommended for optimal performance.
- **Overheating Warning:** Do not power on the LED strip for extended periods while it is still wound on the spool. This can lead to overheating and damage.
- **Voltage Compatibility:** Ensure your power source matches the strip's 12V DC requirement. Incorrect voltage can damage the product.
- **Waterproof Rating:** This model is IP67 waterproof, suitable for outdoor use and protection against temporary immersion. Ensure all connections are properly sealed if used in wet environments.
- **Installation:** Always disconnect power before installation or maintenance.

## PACKAGE CONTENTS

The package includes the following item:

- 1 x 16.4ft (5m) RGBCCT 5-in-1 60 LEDs/m LED Strip

**Note:** A power adapter and controller are not included and must be purchased separately.

## SETUP

1. **Unroll the LED Strip:** Carefully unroll the entire 5-meter LED strip from its spool before connecting power. This prevents overheating.
2. **Plan Placement:** Determine the desired location for your LED strip. The strip is flexible and can be adhered to various surfaces.
3. **Cutting the Strip (Optional):** The LED strip can be cut every three LEDs at designated cut marks. Ensure the power is disconnected before cutting. The remaining sections will still function.

4. **Connect to Controller:** Connect the 6-pin connector of the LED strip to a compatible RGB CCT LED controller (not included). Ensure the pins align correctly.
5. **Connect to Power Adapter:** Connect the LED controller to a DC12V power adapter (not included). A DC12V8A adapter is recommended.
6. **Power On:** Plug the power adapter into a suitable electrical outlet.



Image: The 5050 RGB CCT LED strip, showing its flexible design and individual LED components, ready for installation.

## OPERATING INSTRUCTIONS

Operation of the LED strip requires a compatible RGB CCT controller (not included). Refer to your controller's manual for specific button functions.

- **Color Selection:** Use your controller to select from a wide range of colors. The 5-in-1 LEDs allow for Red, Green, Blue, Cool White, and Warm White, as well as various mixed colors.
- **White Light Options:** The strip offers three types of white light:
  - **Mixed White:** Achieved by combining Red, Green, and Blue.
  - **Cool White:** Pure white light from dedicated cool white LEDs.
  - **Warm White:** Soft, yellowish white light from dedicated warm white LEDs.

These white light options can be switched freely via the controller.

- **Brightness Adjustment:** Adjust the brightness level using your controller's dimming functions.
- **Dynamic Modes:** Many controllers offer pre-programmed dynamic modes such as flashing, fading, or color cycling.



Image: The LED strip illuminated with a vibrant blue light, demonstrating its color capabilities.



Image: The LED strip illuminated with a light blue or cyan hue, showcasing another color option.



Image: The LED strip illuminated with a pink or magenta light, highlighting its diverse color output.

## MAINTENANCE

- **Cleaning:** Gently wipe the LED strip with a soft, dry cloth to remove dust. For stubborn dirt, use a slightly damp cloth and ensure the strip is completely dry before powering on. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the LED strip in a cool, dry place within the recommended storage temperature range of -40°C to +50°C.
- **Environmental Conditions:** The operating temperature range is -25°C to +50°C. While IP67 rated for water resistance, avoid prolonged exposure to extreme temperatures or direct, high-pressure water jets.

## TROUBLESHOOTING

- **Strip does not light up:**
  - Check if the power adapter is correctly plugged into the outlet and the controller.
  - Verify that the LED strip is securely connected to the controller.
  - Ensure the power adapter is providing the correct 12V DC output.
  - Confirm the controller is powered on and functioning correctly.
- **Incorrect colors or partial lighting:**
  - Check the connection between the LED strip and the controller for loose or misaligned pins.
  - Ensure the controller is set to the correct output mode for RGB CCT strips.
  - If a section of the strip does not light up after cutting, inspect the cut points for clean cuts and proper contact.
- **Flickering or unstable light:**
  - Ensure the power adapter has sufficient wattage for the entire length of the LED strip (recommended DC12V8A for 5m).
  - Check for loose connections at the power adapter, controller, and strip.

## SPECIFICATIONS

Model	5050 RGB CCT 5-in-1 LED Strip Lights
Waterproof Level	IP67 (Waterproof in Silicone Tube)
Input Voltage	DC12V
Power Consumption	18W/meter (90W/5m)
LED Type	5050 RGB CCT (Red, Green, Blue, Cool White, Warm White)
LED Quantity	60 LEDs/meter
Standard Reel Length	16.4ft (5m)
View Angle	120°
Operating Temperature	-25°C to +50°C
Storage Temperature	-40°C to +50°C

<b>Recommended Power Adapter</b>	DC12V8A
<b>Material</b>	Silicone
<b>Indoor/Outdoor Usage</b>	Outdoor

## WARRANTY INFORMATION

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Specific warranty details for this product are not provided in the available information. Please refer to your retailer or point of purchase for any applicable warranty terms and conditions.

## SUPPORT

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For technical assistance or customer support, please contact the retailer from whom you purchased this product. Specific manufacturer contact information is not available in the provided details.